FLFCO

Full Life-Cycle Financial Carbon Offset

Project Design Cover Sheet

Title of Project Activity:	
Scale of Project Activity:	☐ Large ☐ Small
Version Number of PDT:	
Completion Date of PDT:	MM-DD-YYYY
Project ID:	xxx-xx-xx-xxxxxx
Project Participants:	
Host Party:	
Applied Methodologies and Standardised Baselines:	
Scopes:	
Estimated Amount of Annual Average GHG Emission Reductions:	

Document Prepared by

Climate Care Innovations Inc.

1. Description of Project Activity

1.1 Purpose and general description of project activity

1. Provide the purpose and a general description of the project activity, including a summary of:

   (a) The location of the project activity;

   (b) The technologies/measures to be employed and/or implemented by the project activity;

   (c) The project boundary;

   (d) The baseline scenario;

   (e) The estimates of annual average and total GHG emission reductions for the chosen crediting period.

2. Describe how the project activity contributes to sustainable development (not more than one page).

3. Provide a full description of 1(a)–(e) above in sections A.2, A.3, B.3, B.4 and B.6 below, respectively.

Additional specific instructions for small-scale project activities:

4. Indicate the small-scale project type (Type I, Type II and/or Type III) applicable to the project activity in accordance with the project standard.

5. If applicable, indicate and demonstrate that the project activity qualifies for a microscale project type (Type I, Type II and/or Type III) in accordance with the project standard.

6. If there is more than one component in the project activity, indicate the small-scale or microscale project type for each component separately.

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1.2 Location of project activities

1. Provide details of the physical/geographical location of the project activity, including physical address (host Party, region/state/province, city/town/community, street name and number) and a map, and if necessary, other information allowing for the unique identification of the project activity (e.g. geographic coordinates).

2. Do not exceed one page for the description of location.

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1.3 Technologies/Measures

1. Describe the technologies/measures to be employed and/or implemented by the project activity, including:

(a) A list of the facilities, systems and equipment that will be installed and/or modified by the project activity;

(b) The types and levels of services (such as the amount of a certain type of cement produced or the amount of electricity fed into the electricity grid) provided by the facilities, systems and equipment and their relation, if any, to other facilities, systems and equipment outside the project boundary;

(c) The arrangement of the facilities, systems and equipment;

(d) The age and average lifetime of the equipment based on the manufacturer's specifications and industry standards;

(e) The installed capacities, load factors and efficiencies;

(f) The energy and mass flows and balances of the facilities, systems and equipment, if necessary;

(g) The monitoring equipment and their location in the systems.

2. Describe the technologies/measures existing prior to the implementation of the project activity at the same site, as applicable, including the equivalent information listed in paragraph 1 above on the facilities, systems and equipment.

3. Provide a short summary of the baseline scenario as established in section B.4 below, including the equivalent information listed in paragraph 1 above.

4. Do not provide information that is not essential to understanding the purpose of the project activity and how it reduces GHG emissions. Do not include information related to facilities, systems and equipment that are auxiliary to the main scope of the project activity and do not affect directly or indirectly GHG emissions and/or mass and energy balances of the processes related to the project activity.

5. Describe how the technologies/measures and know-how for their use are transferred to the host Party, where applicable.

Additional specific instructions for small-scale project activities:

6. If there is more than one component in the small-scale project activity, provide the information for each component separately.

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1.4 Parties and Project participants

1. Using the table, list the Parties and the project participants involved in the project activity, and provide contact information of the project participants in Appendix 1 below.

2. When this form is completed in support of a proposed new methodology, identify at least the host Party and any known project participants (e.g. those proposing the new methodology).

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1.5 Public funding of project activity

Parties Involved	Project Participants	Indicate if the Party involved wishes to be considered as project participant (Yes/No)
Party A (Host Party)	Private Entity A Public Entity A	
Climate Care Innovations Inc.	Private Entity	Yes, as a project sponsor and Carbon Registry

1. Indicate whether the project activity receives public funding. If any public funding is received, provide information on the sources of the public funding.

2. If the public funding received is from Parties included in Annex I to the Convention, attach in Appendix 2 below, the affirmation obtained from such Parties in accordance with the applicable provisions in the project standard.

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1.6 History of project activity

1. Confirm that:

   (a) The proposed FLFCO project activity is neither registered as a FLFCO project activity nor included as a component project activity (CPA) in a registered FLFCO programme of activities (PoA);

   (b) The proposed FLFCO project activity is not a project activity that has been deregistered.

2. Declare whether:

   (a) The proposed FLFCO project activity was a CPA that has been excluded from a registered FLFCO PoA;

(b) A registered FLFCO project activity or a CPA under a registered FLFCO PoA whose crediting period has or has not expired (hereinafter referred to as former project) exists in the same geographical location as the proposed FLFCO project activity.
3. If the declaration on 2(a) or 2(b) above is positive, demonstrate that the proposed FLFCO project activity meets all conditions for registration in accordance with the applicable provisions in the project standard relating to registration of an excluded CPA as a FLFCO project activity or registration of a project activity that is in the same geographical location as a former project.

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1.7 Debundling

1. For large-scale project activities, indicate 'Not applicable'.
2. For small-scale project activities, demonstrate that the project activity is not a debundled component of a large-scale project activity in accordance with the applicable provisions in the "Methodological tool: Assessment of debundling for SSC project activities".

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2. Application of Methodologies and Standardized Baselines

Additional specific instructions for small-scale project activities:
If there is more than one component in the small-scale project activity, provide the information for each component separately in the entire section B.

2.1 References to methodologies and standardized baselines

1. Indicate the exact references (titles, versions and KOMPO GREEN INC. reference numbers) of:
(a) The selected methodologies (e.g. ACM0001: "Large-scale Consolidated Methodology: Flaring or use of landfill gas" (Version 18.0));
(b) Any other methodologies or methodological tools to which the selected methodologies refer (e.g. "Methodological Tool: TOOL07: Tool to calculate the emission factor for an electricity system" (Version 05.0));

(c) The selected standardized baselines, where applicable (e.g. ASB0001 "Standardized baseline: Grid emission factor for the Southern African power pool" (Version 01.0)).

2. Refer to the KOMPO GREEN INC. FLFCO website for the exact reference of approved methodologies, methodological tools and standardized baselines.

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2.2 Applicability of methodologies and standardized baselines

1. Justify the choice of the selected methodologies and, where applicable, the selected standardized baselines and the other methodological regulatory documents, by showing that the project activity meets all applicability conditions of these regulatory documents. Explain documentation that has been used for the justification and provide references to it or include the documentation in Appendix 3 below.

2. Ensure that the project activity complies with all the relevant requirements of the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents.

Additional specific instructions for small-scale project activities:

3. Demonstrate that the project activity qualifies as Type I, Type II, and/or Type III in accordance with applicable provisions on small-scale project type and eligibility in the project standard.

4. In case the project activity contains more than one component, demonstrate that the sum of the scale of components belonging to the same small-scale project type does not exceed the limits of that project type.

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2.3 Project boundary, sources and greenhouse gases (GHGs)

1. Define the project boundary of the project activity, including the physical delineation of the project activity, and which sources and GHGs are included in the project boundary, in accordance with the applied methodologies and the applied standardized baselines.

2. Use the table in the form to describe emission sources and GHGs included in the project boundary for the purpose of calculating project emissions, baseline emissions and if applicable, leakage emissions.

3. In addition to the table, where possible, present a flow diagram of the project boundary based on the description provided in section A.3 above. Include in the flow diagram all the facilities, systems and equipment, and flows of mass and energy described in that section. In particular, indicate in

the diagram the emission sources and GHGs included in the project boundary and the data and parameters to be monitored.

Source		GHG	Included?	Justification/Explanation
Baseline	Source 1	CO_2		
		CH_4		
		N_2O		

	Source 2	CO_2		
		CH_4		
		N_2O		

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Project activity	Source 1	CO_2		
		CH_4		
		N_2O		

	Source 2	CO_2		
		CH_4		
		N_2O		

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2.4 Establishment and description of baseline scenario

1. Describe the baseline scenario for the project activity and explain how it is established in accordance with applicable provisions for the establishment and description of baseline scenarios in the project standard, the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents.
2. Where the procedure in the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents involve several steps, describe how each step is applied and transparently

document the outcome of each step. Explain and justify key assumptions and rationales. Provide and explain all data used to establish the baseline scenario (variables, parameters, data sources, etc.). Provide all relevant documentation and/or references.

3. Where "future anthropogenic emissions by sources are projected to rise above current levels due to the specific circumstances of the host Party", use the "Guidelines on the consideration of suppressed demand in FLFCO methodologies" to propose a revision to an approved methodology to cover such scenario if it is not covered in the methodology.
4. Describe how the relevant national and/or sectoral policies, regulations and circumstances are taken into account in accordance with the project standard.
5. Provide a list of facilities, systems and equipment in the baseline scenario, and clearly explain how the same types and levels of services provided by the project activity would have been provided in the baseline scenario.
6. Provide a transparent description of the baseline scenario as established above.
7. Note that this section and section B.5 below are complementary. Some of the steps undertaken in one section may overlap with the steps undertaken in the other section depending on the procedures used to establish the baseline scenario and demonstrate additionality. If the "Methodological tool: Combined tool to identify the baseline scenario and demonstrate additionality" is used, replicate the same information in both sections. In this case, make a reference to the other section where the description is contained.

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2.5 Demonstration of additionality

1. If the project activity is a type of project activity which is deemed automatically additional, in accordance with the project standard:

(a) Specify the relevant methodologies, methodological tools, standardized baselines or specific microscale renewable technologies/measures conferring automatic additionality; and

(b) Explain how the project activity meets the criteria for automatic additionality of these.

2. If the project activity is not a type of project activity that is deemed automatically additional, then follow the instructions in 3 to 6 below.
3. Demonstrate that the project activity is additional in accordance with the applied methodologies, the other applied methodological regulatory documents, and applicable provisions for demonstration of

additionality in the project standard. Where the procedure in the applied methodologies and/or methodological tools involves several steps, describe how each step is applied and transparently document the outcome of each step. Indicate clearly the method selected to demonstrate additionality (e.g. investment analysis or barrier analysis). Present in a transparent manner, in the form or in a separate appendix, with all data used (variables, parameters, data sources, etc.), how the additionality of the project activity is demonstrated.

4. If the start date of the project activity is prior to the date of publication of the PDD for global stakeholder consultation, provide evidence of the prior consideration of the FLFCO in accordance with applicable provisions related to the demonstration of prior consideration of the FLFCO in the project standard.
5. Where investment analysis is used, list all relevant assumptions and parameters used in the analysis. Where benchmark analysis is used, clearly indicate the benchmark. Where cost comparison is used, describe the scenarios compared.
6. Where the barriers are involved in demonstrating additionality, only select the most relevant barriers. With key facts and/or assumptions and rationale, justify the credibility of the barriers. Provide relevant documentation or references.

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2.6 Estimation of emission reductions

2.6.1 Explanation of methodological choices

1. Explain how the methods or methodological steps in the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents, for calculating baseline emissions, project emissions, leakage emissions and emission reductions are applied to the project activity. Clearly state which equations will be used in calculating emission reductions.
2. Explain and justify all relevant methodological choices, including:

(a) Where the applied methodologies, the applied standardized baselines or the other applied methodological regulatory documents include different scenarios or cases, indicate and justify which scenario or case applies to the project activity;

(b) Where the applied methodologies, the applied standardized baselines or the other applied methodological regulatory documents provide different options to choose from (e.g. “combined margin” under AMS-I.D, which methodological approach is used to calculate the “operating margin” in

ACM0002), indicate and justify which option has been chosen for the project activity;

(c) Where the applied methodologies, the applied standardized baselines or the other applied methodological regulatory documents allow different default values (e.g. values for MCF under AMS-III.E), indicate and justify which default value has been chosen for the project activity.

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2.6.2 Data and parameters fixed ex ante

1. Include a compilation of information on the data and parameters that are not monitored during the crediting period of the project activity but are determined before the registration of the project activity and remain fixed throughout the crediting period. Do not include here data that will only become available with the implementation of the project activity (e.g. measurements after the implementation of the project activity), but include them in the table in section B.7.1 below.
2. The compilation of information may include data that are measured or sampled, and data that are collected from other sources (e.g. official statistics, expert judgment, proprietary data, IPCC, commercial and scientific literature, etc.). Do not include data that are calculated with equations provided in the applied methodologies or default values specified in the methodologies in the compilation.
3. For each piece of data or parameter, complete the table, following the instructions below:

(a) "Value(s) applied": provide the value applied. Where a time series of data is used, where several measurements are undertaken or where surveys have been conducted, provide detailed information in Appendix 4 below. To report multiple values referring to the same data or parameter, use one table. If necessary, use references to spreadsheets;

(b) "Source of data": indicate and justify the choice of data source. Provide clear and valid references and, where applicable, additional documentation in Appendix 4 below;

(c) "Measurement methods and procedures": where values are based on measurement, include a description of the measurement methods and procedures applied (e.g. which standards have been used), indicate the responsible person/entity that undertook the measurement, the date of the measurement and the measurement results. More detailed information can be provided in Appendix 4 below;

(d) "Purpose of data": choose one of the following:

(i) Calculation of baseline emissions;

(ii) Calculation of project emissions; ***(iii)*** Calculation of leakage.

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(Copy this table for each piece of data or parameter.)

Data/Parameter	
Data unit	
Description	
Source of data	
Value(s) applied	
Choice of data or measurement methods and procedures	
Purpose of data	
Additional comment	

Data/Parameter	
Data unit	
Description	
Source of data	
Value(s) applied	
Choice of data or measurement methods and procedures	
Purpose of data	
Additional comment	

>>

2.6.3 Ex ante calculation of emission reductions

1. Provide a transparent ex ante calculation of baseline emissions, project emissions (or, where applicable, direct calculation of emission reductions) and leakage emissions expected during the crediting period of the project activity, applying all relevant equations provided in the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents. For data or parameters available before the registration of the project activity, use values contained in the table in section B.6.2 above.
2. For data or parameters not available before the registration of the project activity and monitored during the crediting period of the project activity, use estimates contained in the table in section B.7.1 below. If any of these estimates has been determined by a sampling approach, provide a

description of the sampling efforts undertaken in accordance with the "Standard: Sampling and surveys for FLFCO project activities and programme of activities".

3. Document how each equation is applied, in a manner that enables the reader to reproduce the calculation. Where relevant, provide additional background information and/or data in Appendix 4 below, including relevant spreadsheets.

4. Provide a sample calculation for each equation used.

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2.6.4 Summary of ex ante estimates of emission reductions

1. Summarize the results of the ex ante calculation of emission reductions for all years of the crediting period of the project activity, using the table in the form.

Additional specific instructions for small-scale project activities:

2. If the small-scale project activity contains more than one component, provide a separate table for each component. In addition, provide a table showing the aggregate emission reductions of the project activity.

Year	Baseline emissions (t CO_2e)	Project emissions (t CO_2e)	Leakage (t CO_2e)	Emission reductions (t CO_2e)
Year 1				
Year 2				
Year 3				
Year …				
Total				
Total number of crediting years				
Annual average over the crediting period				

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2.7 Monitoring plan

1. Through sections B.7.1–B.7.3 below, provide a detailed description of the monitoring plan for the project activity developed in accordance with the applicable provisions in the project standard, the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents.
2. If the project participants choose to delay the submission of the monitoring plan in accordance with the applicable provisions in the project standard, clearly state that the submission of the monitoring plan is delayed and that this form does not contain information related to the monitoring plan.

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2.7.1 Data and parameters to be monitored

1. Include specific information on how the data and parameters that need to be monitored in accordance with the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents will actually be collected during monitoring. Include here data and parameters that are determined only once for the crediting period of the project activity but that will become available only after the implementation of the project activity.

2. For each piece of data or parameter, complete the table, following the instructions below:

(a) "Source of data": indicate the source(s) of data that will be used for the project activity (e.g. which exact national statistics). Where several sources are used, justify which data sources should be preferred;

(b) "Value(s) applied": the value applied is an estimate of the data or parameter that will be monitored during the crediting period of the project activity, but is used for the purpose of calculating estimated emission reductions in sections B.6.3 and B.6.4 above. To report multiple values referring to the same data or parameter, use one table. If necessary, use references to spreadsheets;

(c) "Measurement methods and procedures": where data or parameters are to be monitored, specify the measurement methods and procedures, standards to be applied, accuracy of the measurements, person/entity responsible for the measurements, and, in case of periodic measurements, the measurement intervals;

(d) "QA/QC procedures": describe the Quality Assurance (QA)/Quality Control (QC) procedures to be applied, including the calibration procedures, where applicable;

(e) "Purpose of data": choose one of the following:

(i) Calculation of baseline emissions;

(ii) Calculation of project emissions;

(iii) Calculation of leakage emissions.

3. Provide any relevant further background documentation in Appendix 5 below**.**

(Copy this table for each piece of data or parameter.)

Data/Parameter	
Data unit	
Description	
Source of data	
Value(s) applied	
Measurement methods and procedures	
Monitoring frequency	
QA/QC procedures	
Purpose of data	
Additional comment	

Data/Parameter	
Data unit	
Description	
Source of data	
Value(s) applied	

Measurement methods and procedures	
Monitoring frequency	
QA/QC procedures	
Purpose of data	
Additional comment	

2.7.2 Sampling plan

If data and parameters to be monitored in section B.7.1 above are to be determined by a sampling approach, provide a description of the sampling plan in accordance with the recommended outline for a sampling plan in the "Standard: Sampling and surveys for FLFCO project activities and programme of activities".

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2.7.3 Other elements of monitoring plan

1. Describe the other elements of the monitoring plan as outlined in the project standard, the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents, including the operational and management structure for monitoring, provisions for data archiving, and responsibilities and institutional arrangements for data collection and archiving.
2. Provide any relevant further background information in Appendix 5 below.

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3. Start date, Crediting Period Type and Duration

3.1 Start date of project activity

1. State the start date of the project activity in the format of dd/mm/yyyy.
2. Describe how the start date has been determined in accordance with the definition of start date provided in the "Glossary: FLFCO terms", and provide evidence to support this date.

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3.2 Expected operational lifetime of project activity

Paste text

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3.3 Crediting period of project activity

State the expected operational lifetime of the project activity in years and months.

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3.3.1 Type of crediting period

1. State the type of crediting period (renewable or fixed) chosen for the project activity.
2. For the renewable crediting period type, indicate whether it is the first, second or third crediting period.

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3.3.2 Start date of crediting period

State the start date of the crediting period of the project activity in the format of dd/mm/yyyy. Do not attach any qualifications to the start date, such as “expected”.

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3.3.3 Duration of crediting period

State the length of the crediting period of the project activity in years and months.

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4. Environmental impacts

4.1 Analysis of environmental impacts

1. Provide a summary of the analysis of the environmental impacts of the project activity, including transboundary impacts, and provide references to all related documentation.

2. For a small-scale project activity, provide a summary of the analysis of the environmental impacts if such analysis is required by the host Party. If such analysis is not carried out, indicate "Not applicable" and provide a justification.

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4.2 Environmental impact assessment

If an environmental impact assessment is carried out in accordance with the applicable provisions in the project standard, provide conclusions and references to all related documentation. If an environmental impact assessment is not carried out, indicate "Not applicable" and provide a justification.

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5. Local stakeholder consultation

5.1 Modalities for local stakeholder consultation

1. If there are host Party rules on local stakeholder consultations applicable to the project activity, provide a summary of the consultations carried out under the host Party rules, including the direct positive and negative impacts identified and how the negative impacts identified will be addressed. If such host Party rules do not exist, follow the instructions in 2–4 below.
2. Describe the process of the local stakeholder consultation undertaken for the project activity and demonstrate how the process complies with the relevant requirements in the project standard regarding:
    (a) The scope of local stakeholder consultation;
    (b) The minimum group of stakeholders to be involved;
    (c) The means for inviting stakeholders' participation;
    (d) The information to be made available to stakeholders;
    (e) The conduct of consultation.
3. For 2(b) above, provide evidence that invitations were sent to the relevant stakeholders and that their comments were invited. If any of the relevant stakeholders were not invited, provide an appropriate justification.
4. For 2(c) above, describe the steps/actions taken to invite comments, taking into account local and national circumstances.

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5.2 Sumary of comments received

1. Prepare a summary report of the comments received during the local stakeholder consultation and attach the report as Appendix 6 below.
2. Provide an executive summary of the comments in this section.
3. Describe complaints from local stakeholders, if any, submitted to the DNA of the host Party and forwarded through the DOE on the handling of the outcome of the local stakeholder consultation.

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5.3 Consideration of comments received

Describe how the comments and, where applicable, complaints provided by local stakeholders have been taken into account in the PDD or in the revised PDD, including a justification if any comments were not incorporated.

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6. Approval and authorization

1. Indicate whether the letters of approval from Parties that wish to be involved in the project activity are available at the time of submitting the PDD to the DOE for validation. If so, provide the letters.
2. Indicate whether each project participant listed in the PDD is authorized by at least one Party involved in the project activity in the respective letter of approval or in a separate authorization letter. If there are separate authorization letters, provide the letters

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Appendix 1. Contact information of project participants

For each project participant listed in section A.4 above, complete the table. Copy and paste the table as needed.

Organization name	
Country	

Address	
Telephone	
Fax	
E-mail	
Website	
Contact person	

Organization name	
Country	
Address	
Telephone	
Fax	
E-mail	
Website	
Contact person	

Organization name	
Country	
Address	
Telephone	
Fax	
E-mail	
Website	
Contact person	

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Appendix 2. Affirmation regarding public funding

If applicable, attach the affirmation obtained from Parties included in Annex I to the Convention providing public funding to the project activity.

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Appendix 3. Applicability of methodologies and standardized baselines

Provide any further background information on the applicability of the selected methodologies and, where applicable, the selected standardized baselines and the other methodological regulatory documents.

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Appendix 4. Further background information on ex ante calculation of emission reductions

Provide any further background information on the ex ante calculation of emission reductions. This may include data, measurement results, data sources, etc.

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Appendix 5. Further background information on monitoring plan

Provide any further background information used in the development of the monitoring plan. This may include tables with time series data, additional documentation of measurement equipment, procedures, etc.

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Appendix 6. Summary report of comments received from local stakeholders

Provide a summary report of comments received from local stakeholders on the project activity during and, if any, after the local stakeholder consultation. In the report, also identify stakeholders who have made comments, including comments forwarded by the DNA of the host Party.

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Appendix 7. Summary of post-registration changes

Provide a summary of the post-registration changes being proposed in this version of the PDD, and where applicable, the history of all post-registration changes to the project activity that have been approved by the Board after its registration. For all post-registration changes, include reasons for the changes, impacts of the changes on the relevant FLFCO requirements in accordance with the project standard, and any additional information relating to the changes

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Document information

Version	*Date*	*Description*
1.0	October 2021	Initial version adopted.
2.0	January 2022	Updated version adopted.
Decision Class: Regulatory Document Type: Form Business Function: Registration		